

WHAT IS CLAIMED IS:

1. A photic image processing method comprising steps of:
 - (1) processing a photic image unit to generate a photic image signal having a plurality of basic image signals each of which represents a fundamental color;
 - (2) performing a first regulating compensation to each of said basic image signals of said photic image to generate first compensated basic image signals;
 - (3) multiplexing said first compensated basic image signals in a period of time to generate a multiplexed photic image signal having said compensated basic image signals in series in said period of time, wherein said period is equal to a time of processing a photic image unit ; and
 - (4) performing a second regulating compensation for said multiplexed photic image signal to generate a second compensated multiplexed photic image signal.
2. A photic image processing method as claimed in Claim 1, where further includes steps of:
 - (1a) generating a light signal to an object for obtaining a reflective signal; and
 - (1b) executing a photoelectric conversion in response to said reflective signal for obtaining said photic image signal having said plurality of basic image signals.
3. A photic image processing method as claimed in Claim 2, where further includes a step of:
 - (1c) executing a current amplification for said photic image signal in order to enhance an anti-disturbance ability of said photic image signal.

4. A photic image processing method as claimed in Claim 1, wherein said step (2) further includes steps of:
- (2a) eliminating a common-mode voltage of said photic image signal;
 - (2b) regulating a DC voltage offset of said photic image signal;
 - 5 (2c) amplifying and outputting said photic image signal whose said DC voltage offset is regulated; and
 - (2d) performing said first regulating compensation in response to a control signal, in order to equilibrate said basic image signals of said photic image signal.
- 10 5. A photic image processing method as claimed in Claim 4, wherein said basic image signals of said photic image signal are respectively 3 basic signals indicative of red, green and blue fundamental colors.
6. A photic image processing method as claimed in Claim 5, where is executed by a photic image pick-up circuit including a lamp having a brightness, a lens and charge coupled device (CCD).
- 15 7. A photic image processing method as claimed in Claim 6, wherein said first regulating compensation regulates and equilibrates said photic image signals of red, green and blue fundamental colors and compensates a lamp aging phenomenon of said photic image pick-up circuit.
- 20 8. A photic image processing method as claimed in Claim 5, wherein said step (3) further includes steps of:
- (3a) equally dividing said period of time into three segments, and multiplexing said 3 basic signals of red, green and blue fundamental
 - 25 colors in said three segments to obtain a multiplexed photic image signal alternately containing therein said 3 basic signals;

(3b) outputting three compensation values at said three segments, each of said three compensation values compensating one of said 3 basic signals of red, green and blue fundamental colors at the corresponding segment in said multiplexed photic image signal; and

5 (3c) compensating said 3 basic signals of red, green and blue fundamental colors in said multiplexed photic image signal by multiplying respectively said three compensation values therefor to accomplish said second regulating compensation.

9. A photic image processing device as claimed in Claim 6, wherein
10 said second regulating compensation correlates and compensates a non-uniformity among said lamp's brightness, said lens, and said charge coupled device (CCD).

10. A photic image processing method according to claim 8, wherein said method further includes steps of:

15 (5) converting said second compensated multiplexed photic image signal into a digital photic image signal; and

(6) generating said control signal corresponding to said digital photic image signal.

11. A photic image processing method comprising steps of:
20 (1) processing a photic image unit to generate a photic image signal having a plurality of basic image signals;

(2) performing a first regulating compensation to each of said basic image signals of said photic image to generate a first compensated basic image signals in order to equilibrate said basic image signals of said photic image signal;

(3) multiplexing said first compensated basic image signals in a period of time to generate a multiplexed photic image signal having said

compensated basic image signals in series in said period of time, wherein said period is equal to a time of processing a photic image unit ; and

5 (4) performing a second regulating compensation for said multiplexed photic image signal to generate a second compensated multiplexed photic image signal;

(5) converting said second compensated multiplexed photic image signal into a digital photic image signal; and

(6) generating a control signal;

wherein said step (2) further includes steps of:

10 (2a) eliminating a common-mode voltage of said photic image signal;

(2b) regulating a DC voltage offset of said photic image signal;

(2c) amplifying and outputting said photic image signal whose said DC voltage offset is regulated; and

15 (2d) performing said first regulating compensation in response to a control signal, in order to equilibrate said basic image signals of said photic image signal.

12. A photic image processing method comprising steps of:

(1) processing a photic image unit to generate a photic image signal having a plurality of basic image signals;

20 (2) performing a first regulating compensation to each of said basic image signals of said photic image to generate a first compensated basic image signals in order to equilibrate said basic image signals of said photic image signal;

25 (3) multiplexing said first compensated basic image signals in a period of time to generate a multiplexed photic image signal having said compensated basic image signals in series in said period of time, wherein said period is equal to a time of processing a photic image unit ;

(4) performing a second regulating compensation for said multiplexed photic image signal to generate a second compensated multiplexed photic image signal;

wherein said basic image signals of said photic image signal are respectively 3 basic signals indicative of red, green and blue fundamental colors, where is executed by a photic image pick-up circuit including a lamp having a brightness, a lens and charge coupled device (CCD), and whercin said first regulating compensation regulates and equilibrates said photic image signals of red, green and blue fundamental colors and compensates a lamp aging phenomenon of said photic image pick-up circuit.

10 13. A photic image processing method as claimed in Claim 12, wherein said step (3) further includes steps of:

15 (3a) equally dividing said period of time into three segments, and multiplexing said 3 basic signals of red, green and blue fundamental colors in said three segments to obtain a multiplexed photic image signal alternately containing therein said 3 basic signals;

20 (3b) outputting three compensation values at said three segments, each of said three compensation values compensating one of said 3 basic signals of red, green and blue fundamental colors at the corresponding segment in said multiplexed photic image signal; and

25 (3c) compensating said 3 basic signals of red, green and blue fundamental colors in said multiplexed photic image signal by multiplying respectively said three compensation values therefor to accomplish said second regulating compensation.

14. A photic image processing device as claimed in Claim 13, wherein said second regulating compensation correlates and compensates a non-

uniformity among said lamp's brightness, said lens, and said charge coupled device (CCD).